L Number	Hits	Search Text	DB	Time stamp
-	7532		USPAT;	2002/12/04 11:11
		resisotr or transducer or element) with	EPO; JPO;	
		(thick or thickness) with area	DERWENT	
-	3387	347/54.ccls. or 347/55.ccls. or	USPAT;	2002/12/06 08:58
		347/56.ccls. or 347/57.ccls. or	EPO; JPO;	
		347/58.ccls. or 347/59.ccls. or	DERWENT	
		347/62.ccls. or 347/63.ccls. or		
		347/61.ccls.	***	0000/10/04 00:57
_	59	((heater or heating or resisitve or resisotr or transducer or element) with	USPAT; EPO; JPO;	2002/12/04 09:57
[(thick or thickness) with area) and	DERWENT	
		(347/54.ccls. or 347/55.ccls. or	DBINDIN1	
		347/56.ccls. or 347/57.ccls. or		
		347/58.ccls. or 347/59.ccls. or		
		347/62.ccls. or 347/63.ccls. or		
		347/61.ccls.)		
-	8023	(heater or heating or resisitve or	USPAT;	2004/04/07 09:09
,		resistor or transducer or element) with	EPO; JPO;	
:		(thick or thickness) with area	DERWENT	2000/10/04 11:12
-	14		USPAT;	2002/12/04 11:13
		347/56.ccls. or 347/57.ccls. or 347/58.ccls. or 347/59.ccls. or	EPO; JPO; DERWENT	
		347/58.cc1s. or 347/59.cc1s. or 347/62.cc1s. or	DEKWENI	
		347/61.ccls.) and ((heater or heating or		
		resisitve or resistor or transducer or		
		element) with (thick or thickness) with		
		area)) not (((heater or heating or		
		resisitve or resisotr or transducer or		
		element) with (thick or thickness) with		
		area) and (347/54.ccls. or 347/55.ccls. or		
		347/56.ccls. or 347/57.ccls. or 347/58.ccls. or 347/59.ccls. or		
		347/58.ccis. of 347/59.ccis. of 347/62.ccis. or	1	
		347/61.ccls.))		
_	226		USPAT;	2002/12/04 11:55
		resistor or transducer or element) with	EPO; JPO;	
		area with mu	DERWENT	
-	1	((heater or heating or resisitve or	USPAT;	2002/12/04 11:16
}		resistor or transducer or element) with	EPO; JPO;	
		area with mu) and (347/54.ccls. or 347/55.ccls. or	DERWENT	
}		347/55.ccls. or 347/56.ccls. or 347/57.ccls. or		
		347/59.ccls. or 347/62.ccls. or	i	
		347/63.ccls. or 347/61.ccls.)		
_	389770		USPAT;	2002/12/04 11:19
	1	resistor or transducer or element) with	EPO; JPO;	
		(size or area or dimension)	DERWENT	0000/00/01 11
-	569482	(heater or heating or resisitve or	USPAT;	2002/12/04 11:28
	ŀ	resistor or transducer or element) with	EPO; JPO; DERWENT	
		(size or area or dimension or length or width)	DEVMENT	
_	976	•	USPAT;	2002/12/04 11:28
	1	resistor or transducer or element) with	EPO; JPO;	
		(size or area or dimension or length or	DERWENT	
		width)) and (347/54.ccls. or 347/55.ccls.		
	ĺ	or 347/56.ccls. or 347/57.ccls. or		
		347/58.ccls. or 347/59.ccls. or		
		347/62.ccls. or 347/63.ccls. or	1	
	121006	347/61.ccls.)	USPAT;	2002/12/04 11:57
-	121006	(heater or heating or resisitve or resistor or transducer or element) with	EPO; JPO;	2002/12/04 11:57
	[thickness	DERWENT	
_	423		USPAT;	2002/12/04 11:56
		resistor or transducer or element) with	EPO; JPO;	
	1	thickness) and (347/54.ccls. or	DERWENT	
1		347/55.ccls. or 347/56.ccls. or		
		347/57.ccls. or 347/58.ccls. or		
	1	347/59.ccls. or 347/62.ccls. or		
L	L	347/63.ccls. or 347/61.ccls.)	L	

-	833	(heater or heating or resisitve or	USPAT;	2002/12/04 11:59
		resistor or transducer or element) with	EPO; JPO;	
		thickness with mu	DERWENT	
-	1	((heater or heating or resisitve or	USPAT;	2002/12/04 11:58
		resistor or transducer or element) with	EPO; JPO;	1
		thickness with mu) and (347/54.ccls. or	DERWENT	İ
		347/55.ccls. or 347/56.ccls. or		
		347/57.ccls. or 347/58.ccls. or		
1		347/59.ccls. or 347/62.ccls. or		
		347/63.ccls. or 347/61.ccls.)		0000/10/04 10 00
-	3974	(heater or heating or resisitve or	USPAT;	2002/12/04 12:00
		resistor or transducer or element) with	EPO; JPO;	
		thickness with micron	DERWENT	0000/10/04 10 00
-	43	((heater or heating or resisitve or	USPAT;	2002/12/04 12:00
	1	resistor or transducer or element) with	EPO; JPO;	
		thickness with micron) and (347/54.ccls.	DERWENT	
		or 347/55.ccls. or 347/56.ccls. or		
		347/57.ccls. or 347/58.ccls. or		
		347/59.ccls. or 347/62.ccls. or		
		347/63.ccls. or 347/61.ccls.)		0000/10/04 10:10
-	73		USPAT;	2002/12/04 12:19
		347/56.ccls. or 347/57.ccls. or	EPO; JPO;	
1		347/58.ccls. or 347/59.ccls. or	DERWENT	
1		347/62.ccls. or 347/63.ccls. or		
1	[347/61.ccls.) and ((heater or heating or		
1	[resisitve or resistor or transducer or		
		element) with (thick or thickness) with		
		area)		2000 (10 (05 07 00
-	185	347/64.ccls.	USPAT;	2002/12/06 07:28
	'		EPO; JPO;	
			DERWENT	
i -	185	347/64.ccls.	USPAT;	2002/12/06 07:37
			EPO; JPO;	
			DERWENT	
-	16951	(drop or droplet) with energy	USPAT;	2002/12/06 07:38
			EPO; JPO;	
			DERWENT	
-	2593087	joules or microjoules or mJ or J	USPAT;	2002/12/06 07:42
			EPO; JPO;	
			DERWENT	
_	131	((drop or droplet) with energy) with	USPAT;	2002/12/06 07:38
		(joules or microjoules or mJ or J)	EPO; JPO;	
			DERWENT	
-	46971	347/\$.ccls.	USPAT;	2002/12/06 07:40
			EPO; JPO;	
			DERWENT	
-	44	(((drop or droplet) with energy) with	USPAT;	2002/12/06 07:40
		(joules or microjoules or mJ or J)) and	EPO; JPO;	
		347/\$.ccls.	DERWENT	
-	2665680	joules or microjoules or muJ or J or nJ or	USPAT;	2002/12/06 07:43
		nanojoules	EPO; JPO;	
			DERWENT	
-	129	((drop or droplet) with energy) with	USPAT;	2002/12/06 07:43
		(joules or microjoules or muJ or J or nJ	EPO; JPO;	
		or nanojoules)	DERWENT	
-	4.9	(((drop or droplet) with energy) with	USPAT;	2002/12/06 07:50
	1	(joules or microjoules or muJ or J or nJ	EPO; JPO;	
		or nanojoules)) and 347/\$.ccls.	DERWENT	
_	10248		USPAT;	2002/12/06 08:21
			EPO; JPO;	
1			DERWENT	
1_	336152	canon.as.	USPAT;	2002/12/06 07:52
1	330132		EPO; JPO;	
1	1		DERWENT	
1_	111	(tab with circuit) and canon.as. and	USPAT;	2002/12/06 07:54
1	"	347/\$.ccls.	EPO; JPO;	
1		J41/4.0019.	DERWENT	
1_	7395025	purpose or advantage	USPAT;	2002/12/06 07:54
-	/393023	purpose or advantage	EPO; JPO;	
			DERWENT	
1	1			1

-	283	(purpose or advantage) with (tab with	USPAT; EPO; JPO;	2002/12/06 08:21
		circuit)	DERWENT	
_	15	((purpose or advantage) with (tab with	USPAT;	2002/12/06 13:30
	13	circuit)) and 347/\$.ccls.	EPO; JPO;	2002, 22, 00 10.00
			DERWENT	
_	52935	(tab or flex or flexible) with circuit	USPAT;	2002/12/06 08:21
			EPO; JPO;	
			DERWENT	
-	807	(purpose or advantage) same (tab with	USPAT;	2002/12/06 08:22
		circuit)	EPO; JPO;	
	55	((purpose or advantage) same (tab with	DERWENT USPAT;	2002/12/06 08:22
-] 33	circuit)) and 347/\$.ccls.	EPO; JPO;	2002/12/00 00.22
		cricure, and sarry.cors.	DERWENT	
_	40	(((purpose or advantage) same (tab with	USPAT;	2002/12/06 08:23
		circuit)) and 347/\$.ccls.) not (((purpose	EPO; JPO;	
		or advantage) with (tab with circuit)) and	DERWENT	
		347/\$.ccls.)		
-	294		USPAT;	2002/12/06 08:23
		flex or flexible) with circuit)	EPO; JPO;	
	10471	(heater or heating or resisitve or	DERWENT USPAT:	2002/12/06 08:57
_	104/1	resistor or transducer or element) same	EPO; JPO;	2302,12,00 00.37
		(thick or thickness) same length same	DERWENT	
		width		
-	3514		USPAT;	2002/12/06 08:58
		347/56.ccls. or 347/57.ccls. or	EPO; JPO;	
		347/58.ccls. or 347/59.ccls. or	DERWENT	
		347/62.ccls. or 347/63.ccls. or		
	7.0	347/61.ccls. or 347/64.ccls.	IISDAT.	2002/12/06 08:58
-	78	((heater or heating or resisitve or resistor or transducer or element) same	USPAT; EPO; JPO;	2002/12/00 00:38
		(thick or thickness) same length same	DERWENT	
1	1	width) and (347/54.ccls. or 347/55.ccls.		
		or 347/56.ccls. or 347/57.ccls. or		
		347/58.ccls. or 347/59.ccls. or		
		347/62.ccls. or 347/63.ccls. or		
		347/61.ccls. or 347/64.ccls.)		0000/10/06 10:47
-	20517		USPAT;	2002/12/06 10:47
		or passivating or cavitation) with (thick or thickness)	EPO; JPO; DERWENT	
	147208		USPAT;	2002/12/06 10:51
	147200	resistor or transducer or element) with	EPO; JPO;	4001, 11, 10
İ	I	(thick or thickness)	DERWENT	
-	185	347/64.ccls.	USPAT;	2002/12/06 10:51
	1		EPO; JPO;	
		L.,	DERWENT	2002/12/06 10:51
-	53		USPAT;	2002/12/06 10:51
	1	or passivating or cavitation) with (thick or thickness)) and 347/64.ccls.	EPO; JPO; DERWENT	
_	2	4338661.pn.	USPAT;	2002/12/06 13:31
			EPO; JPO;	
	1		DERWENT	
-	4	4338611.pn.	USPAT;	2002/12/06 13:54
			EPO; JPO;	
		<u></u>	DERWENT	2002/12/06 12:56
-	10248	Tab with circuit	USPAT;	2002/12/06 13:56
			EPO; JPO; DERWENT	
_	2	6139131.pn.	USPAT;	2002/12/06 13:56
		0103101.pm.	EPO; JPO;	
			DERWENT	
-	46971	347/\$.ccls.	USPAT;	2002/12/06 13:56
	1		EPO; JPO;	
1			DERWENT	2002/12/20 14 22
-	290	(Tab with circuit) and 347/\$.ccls.	USPAT;	2002/12/06 14:08
1			EPO; JPO; DERWENT	
1_	2	4567493.pn.	USPAT;	2002/12/06 14:08
1 -	-	130/433.pm.	EPO; JPO;	
			DERWENT	
	.1	<u> </u>		

2 4635073.pn.					
-	-	4	4338611.pn.	EPO; JPO;	2002/12/06 14:10
Signature Sign	_	2	4635073.pn.	USPAT; EPO; JPO;	2002/12/06 14:10
1	-	54	discharging) same energy same (microjoules or (micro adj joules) or muJ or (mu adj	USPAT; EPO; JPO;	2003/12/28 12:55
-	_	35	(ejection or ejecting or discharge or discharging) with energy with (microjoules or (micro adj joules) or muJ or (mu adj	US-PGPUB; EPO; JPO;	2003/12/28 13:10
-	-	53517		USPAT; US-PGPUB; EPO; JPO;	2003/12/28 12:55
Gejection or ejecting or discharge or discharge or (micro adj joules) or muJ or (mu adj J) Sept 1900 Sept 2003/12/28 13:07 Sept 2003/12/28 13:	-	. 6	discharging) with energy with (microjoules or (micro adj joules) or muJ or (mu adj	USPAT; EPO; JPO;	2003/12/28 12:55
USPAT; USPAT;	-	64	(ejection or ejecting or discharge or discharging) same energy same (microjoules or (micro adj joules) or muJ or (mu adj	US-PGPUB; EPO; JPO;	2003/12/28 13:07
Comparison of the content of the c	-	8	((ejection or ejecting or discharge or discharging) same energy same (microjoules or (micro adj joules) or muJ or (mu adj	USPAT; US-PGPUB; EPO; JPO;	2003/12/28 13:07
joules) or muJ or (mu adj J)) and 347/\$.ccls.) (passivation or passivating or cavitation or protective or protecting) with (coat or coating or layer) (ejection or ejecting or discharge or discharging) with energy ((passivation or passivating or cavitation or protective or protecting) with (coat or coating or layer)) same ((ejection or ejecting or discharging) with energy) ((passivation or passivating or cavitation or protective or protecting) with (coat or coating or layer)) same ((ejection or ejecting or discharging) with energy) ((passivation or passivating or cavitation or protective or protecting) with (coat or cavitation or ejecting or discharging) with energy) 174 ((passivation or passivating or cavitation or passivating or cavitation or ejecting or discharging) with (coat or coating or layer)) same ((ejection or ejecting or discharge or discharging) with (coat or coating or layer)) same ((ejection or ejecting or discharge or discharging) with (coat or coating or layer)) and 347/\$.ccls. 282578 282578 (heater or heating or resisitve or resistor or transducer or element or electrothermal) with area 261 347/62.ccls. ((heater or heating or resisitve or resistor or transducer or element or electrothermal) with area) and 347/62.ccls.	-	2	(((ejection or ejecting or discharge or discharging) same energy same (microjoules or (micro adj joules) or muJ or (mu adj J))) and 347/\$.ccls.) not (((ejection or ejecting or discharge or discharging) with	USPAT; US-PGPUB; EPO; JPO;	2003/12/28 13:09
or protective or protecting) with (coat or coating or layer) 52336 (ejection or ejecting or discharge or discharging) with energy (passivation or passivating or cavitation or protective or protecting) with (coat or coating or layer)) same ((ejection or ejecting or discharging) with energy) ((passivation or passivating or cavitation or protective or protecting) with (coat or ejecting or discharge or discharging) with energy) ((passivation or passivating or cavitation or protective or protecting) with (coat or cavitation or protective or protecting) with (coat or coating or layer)) same ((ejection or ejecting or discharge or discharging) with energy)) and 347/\$\frac{1}{347}\$.ccls. 282578 (heater or heating or resisitve or resistor or transducer or element or electrothermal) with area 282578 (heater or heating or resisitve or resistor or transducer or element or electrothermal) with area ((heater or heating or resisitve or resistor or transducer or element or electrothermal) with area ((heater or heating or resisitve or resistor or transducer or element or electrothermal) with area) ((heater or heating or resisitve or resistor or transducer or element or electrothermal) with area) and 347/\$\frac{1}{2}\$.ccls. ((heater or heating or resisitve or resistor or transducer or element or electrothermal) with area) and 347/\$\frac{1}{2}\$.ccls.		05.5.0	joules) or muJ or (mu adj J))) and 347/\$.ccls.)		2002/12/20 12:10
discharging) with energy Comparison of the content of the conte	-	254548	or protective or protecting) with (coat or	US-PGPUB; EPO; JPO;	
or protective or protecting) with (coat or coating or layer)) same ((ejection or ejecting or discharge or discharging) with energy) 174 (((passivation or passivating or cavitation or protective or protecting) with ((ejection or ejecting or discharge or discharge or discharge or discharging) with energy)) same ((ejection or ejecting or discharge or discharging) with energy)) and 347/8.ccls. 282578 (heater or heating or resisitve or resistor or transducer or element or electrothermal) with area 282578 (heater or heating or resisitve or resistor or transducer or element or electrothermal) with area 282578 (heater or heating or resisitve or resistor or transducer or element or electrothermal) with area 282578 (heater or heating or resisitve or resistor or transducer or element or electrothermal) with area 282578 (heater or heating or resisitve or resistor or transducer or element or electrothermal) with area or element or electrothermal) with area) and 347/62.ccls.	-	52336		US-PGPUB; EPO; JPO;	2003/12/28 13:11
- 174 (((passivation or passivating or cavitation or protective or protecting) with (coat or coating or layer)) same ((ejection or ejecting or discharge or discharging) with energy)) and 347/\$.ccls. - 282578 (heater or heating or resisitve or resistor or transducer or element or electrothermal) with area - 261 347/62.ccls. - 120 ((heater or heating or resisitve or resistor or transducer or element or electrothermal) with area - 120 ((heater or heating or resisitve or resistor or transducer or element or electrothermal) with area) and 347/62.ccls. - 120 ((heater or heating or resisitve or resistor or transducer or element or electrothermal) with area) and 347/62.ccls. - 120 (cheater or heating or resisitve or resistor or transducer or element or electrothermal) with area) and 347/62.ccls.	-	355	or protective or protecting) with (coat or coating or layer)) same ((ejection or ejecting or discharge or discharging) with	US-PGPUB; EPO; JPO;	2003/12/28 13:11
- 282578 (heater or heating or resisitve or resistor or transducer or element or electrothermal) with area - 261 347/62.ccls. - 120 ((heater or heating or resisitve or resistor or transducer or element or element or element or element or element or electrothermal) with area (heater or heating or resisitve or resistor or transducer or element or electrothermal) with area) and electrothermal) with area) and 347/62.ccls. USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT;	-	174	(((passivation or passivating or cavitation or protective or protecting) with (coat or coating or layer)) same ((ejection or ejecting or discharge or discharging) with energy)) and	US-PGPUB; EPO; JPO;	2003/12/28 13:11
- 261 347/62.ccls. USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPĀT; US-PGPUB; electrothermal) with area) and EPO; JPO; DERWENT; EPO; JPO; DERWENT;	_	282578	(heater or heating or resisitve or resistor or transducer or element or	US-PGPUB; EPO; JPO; DERWENT;	2004/04/07 10:44
- 120 ((heater or heating or resisitve or resistor or transducer or element or electrothermal) with area) and EPO; JPO; DERWENT;	-	261	347/62.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2004/04/07 10:55
ו מעו ויומנו ו	-	120	resistor or transducer or element or electrothermal) with area) and	USPĀT; US-PGPUB; EPO; JPO;	2004/04/07 10:46

•				
-	603010	micron or mu	USPAT;	2004/04/07 10:46
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	1284	((heater or heating or resisitve or	USPAT;	2004/04/07 10:47
		resistor or transducer or element or	US-PGPUB;	
		electrothermal) with area) with (micron or	EPO; JPO;	
		mu)	DERWENT;	
			IBM TDB	,
_	7	347/62.ccls. and (((heater or heating or	USPĀT;	2004/04/07 10:47
	· ·	resisitve or resistor or transducer or	US-PGPUB;	
		element or electrothermal) with area) with	EPO; JPO;	
		(micron or mu))	DERWENT;	
		(MICION OI MA)	IBM TDB	
l _	54712	347/\$.ccls.	USPAT;	2004/04/07 10:55
1] 34,15	34774.0013.	US-PGPUB;	2004/04/07/10:00
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
	61	(((heater or heating or resisitve or	USPAT;	2004/04/07 10:56
-] 51	resistor or transducer or element or	US-PGPUB;	2004/04/07 10:50
		electrothermal) with area) with (micron or	EPO; JPO;	
	}		DERWENT;	
		mu)) and 347/\$.ccls.	IBM TDB	
		///backer on backing on mariaters on	USPAT;	2004/04/07 10:56
_	44	(((2004/04/07 10:56
		resistor or transducer or element or	US-PGPUB;	
		electrothermal) with area) with (micron or	EPO; JPO;	
		mu)) and 347/\$.ccls.) not (347/62.ccls.	DERWENT;	
		and (((heater or heating or resisitve or	IBM_TDB	
		resistor or transducer or element or		
		electrothermal) with area) with (micron or		1
	100	mu)))	норъщ	2004/04/07 11:47
-	I .	347/46.ccls.	USPAT	2004/04/07 11:47
-	1	pressure	USPAT	2004/04/07 11:47
-	100		USPAT	2004/04/07 11:47
-	64880		USPAT	2004/04/07 11:48
-	4	347/46.ccls. and (flow with rate with	USPAT	2004/04/07 11:48
		pressure)		